INSYS icom
Industrial Data Communication

DIN rail
MoRoS ADSL PRO

Shape	Transmission technology: 3G/HSPA	GSM/GPRS/EDGE	xDSL	Ethernet	WLAN	Analogue	ISDN
DIN-Rail serial	☐	☐	☐	☐	☐	☐	☐
DIN-Rail network	☐	☐	■	☐		☐	☐
Desktop	☐	☐				☐	☐
19´´ Rack						☐	☐
Embedded Module	☐	☐	☐	☐	☐	☐	☐

Remote access over internet

ADSL provides broadband internet access phone lines and enables data rates of up to 25 Mbps.

MoRoS ADSL PRO is designed for industrial use of a fast ADSL access. DIN rail mounting, direct voltage supply and temperature range are optimised for industrial applications in rough environments.

Network devices can communicate cost-effective directly via MoRoS ADSL PRO. General routing including private address management, firewall and VPN security are on board by default.

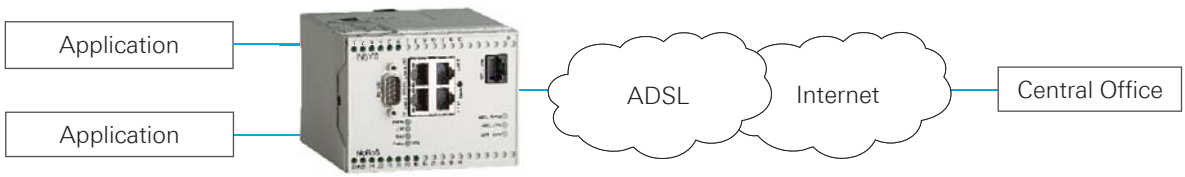
Features

- Internet access with up to 25 Mbps
- Annex A/M/L, B or J/B
- Router with VPN and firewall
- 4 port switch
- Open for own applications (Linux sandbox)
- Connection to INSYS Connectivity Service possible

Applications

- Remote desktop access
- Video monitoring
- Network connection
- Transfer of high data volume (operating data, archives)

MoRoS ADSL PRO



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Technical data
MoRoS ADSL PRO

WAN interface	
ADSL modem	ADSL (TR-067), ADSL2, ADSL2+ (G.992.1, G.992.2, T1.413, G992.3, G.992.5, TR-100)
Variants	Annex A/M/L, Annex B or Annex J/B*
ADSL protocol	PPPoE, PPPoA, Bridge (RFC 1483), IPoE (static or DHCP); LLC and VC-MUX encapsulation
Connector	RJ45
Router	
Function	DHCP server and client, full NAT (netmapping, port forwarding), DNS relay, dynDNS support
Security	VPN: OpenVPN (client and server), IPsec (ESP), PPTP (client and sever), Firewall
Redundancy	External serial modem, 2nd OpenVPN servers
Switch	
Ports	4 x RJ45
Operating mode	10/100 Mbit/s full and half duplex mode
Function	Patch and cross over cables, automatic speed adjustment, MDI/MDI-X, port mirroring, VLAN configuration
Serial interface	Serial ethernetgateway (incoming and outcoming conncections, modem emulation)
Configuration	Web interface local and remote, binary file and text configuration, Auto update from central sever (configuration, firmware, Sandbox image)
I/Os	2 inputs to send SMS or e-mail, establish dial-out connection, VPN tunnel 2 isolated outputs switchable with the configuration surface, time-steered, displays PPP connection, diplays VPN connection
Programming	User access to embedded Linux system (Sandbox), 150 MB permanent file system, socket access, serial interface, demo images including Java und Python scripting, data base management, e-mail services, serial data logger further information please see: www.insys-icom.com/sandbox
LED	Power, connection, data, status/VPN, ADSL status, ADSL data, ADSL synchronisation
Additional features	Update firmware and configuration (local and remote), hardware watchdog, system message via e-mail, SNMP trap, SNMP v1/2c/3, Quick start for INSYS Connectivity Service
Physical features	
Supply voltage	10 - 60 V DC
Power consumption	appr. 5 W
Size in mm	110 l x 100 w x 75 h
Operating temperature	-20 ... +55 °C
Humidity	0 ... 95% (not-condensating)

Product description	Features	Order number
MoRoS ADSL 2.1A PRO	ADSL Annex A/M/L	10014487
MoRoS ADSL 2.1B PRO	ADSL Annex B	10000216
MoRoS ADSL 2.1J PRO	ADSL Annex J/B*	10016203

* Please use MoRoS ADSL 2.1B PRO in case of parallel operation with ISDN devices.

Establish VPN connections the easy and secure way.
With the INSYS Connectivity Service!
www.insys-icom.com/connectivity

INSYS Connectivity

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